

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-5. (Previously Cancelled)

6. (Currently Amended) An air-stirring blade to be mounted within an internal combustion engine, comprising:

a cylindrical body ~~(1) whose~~ having a mid portion ~~[[is]]~~ provided with blades, ~~[[2]]~~ wherein an inner side of each of the blades ~~[[2a]]~~ has a groove with a dip angle ~~[[3]]~~ of about 10° to 80° with respect to a vertical axis of the body, and each of the blades has a twisted center tunnel inner passage; and

each of the blades ~~comprising~~ having an outer side ~~of (2b)~~ that has ~~about the~~ substantially same shape as the inner side ~~[[2a]]~~ thereof and at least two intersections ~~[[4]]~~ between each of the blades ~~[[2]]~~ and the body ~~[[1]]~~ to form an outer passage with a cross section ~~[[5]]~~ which is twisted along the body.

7. (Currently Amended) The air-stirring blade of claim 6 further comprising a lip ~~[[6]]~~ around the cylindrical body.

8. (Previously added) The air-stirring blade of claim 6 wherein the blade and body are integrally constructed.

9. (Currently Amended) An air-stirring blade for mounting

within an internal combustion engine, comprising:

a blade  $[(2)]$  formed in a body and having an inner side  $[(2a)]$  with at least two coiled grooves, each coiled groove having a dip angle  $[(3)]$  of about  $10^{\circ}$  to  $80^{\circ}$  with respect to a vertical axis of the body, the blade having a twisted center inner passage; and

~~the blade having an outer side  $[(2b)]$  with about the~~  
substantially same shape as the inner side  $[(2a)]$ , [and]  
wherein when the blade is inserted into an air duct, it has at  
least two intersections  $[(4)]$  between the blade  $[(2)]$  and  
the air duct forming an outer passage that is twisted along the  
body.

10. (Previously added) The air-stirring blade of claim 9 wherein there are four of the blades and there are at least four of the intersections.

11. (Currently Amended) The air-stirring blade of claim 6 or 9, wherein the blade is made of nonmetal materials.

12. (Currently Amended) The air-stirring blade of claim 6 or 9, wherein the blade is made of polymer.

13. (Currently Amended) The air-stirring blade of claim 6 or 9, wherein the blade is made of metal.

14. (Previously added) The air-stirring blade of claim 6 wherein there are at least four said intersections between the blades and the body.

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15. (Previously added) The air-stirring blade of claim 6 wherein the dip angle is about  $30^{\circ}$ .

16. (Previously added) The blade of claim 9 wherein the dip angle is about  $30^{\circ}$ .